

Leptin Human Recombinant, His Tag

Item Number	rAP-2339
Synonyms	OB Protein, Obesity Protein, OBS, Obesity factor.
Description	Leptin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing amino acids 48-167 and having a total molecular mass of 19 kDa including the 4 kDa His tag. The Leptin is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P41159
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Leptin although stable at room temperature, should be stored desiccated below 0°C. Reconstituted Leptin is best stored refrigerated at 4°C. Please avoid freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 1X PBS, 0.1% SDS and 1mM DTT. Greater than 90.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	1. Positive control for Western blot. 2. Antibody production. 3. Protein assay.
Solubility	The lyophilized Leptin is very soluble in water and most aqueous buffers below and above the isoelectric point.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**